

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. ~~Method~~ A method for transmitting IP packets between a Radio Network Controller-(RNC)-(2) and a ~~further~~another element in a mobile radio network, ~~characterized in that~~ comprising:
~~an IP packet to be transmitted contains~~ transmitting an IP packet that includes a first coder-decoder mode indication (TFCI, AMR), which indicates the coder-decoder mode-(TFCI, AMR) with which it was transmitted from a mobile terminal (MT)-(1) to a first Radio Network Controller-(RNC)-(2);
a coder-decoder indication exchange system (DEC)-(5) passed through by an IP packet ~~on the way through~~ via the mobile radio network, ~~undertakes an exchange of~~ exchanging the first coder-decoder mode indication (RF CI, AMR) ~~contained~~ included in the data packet for a second coder-decoder mode indication (RF CI requested) corresponding to the first coder-decoder mode indication according to a stored table in the coder-decoder mode indication exchange system (5) and known to a ~~further~~ the another element or mobile terminal-(MT)-(1); and forwarding the IP packet, which ~~contains~~ includes the second coder-decoder mode indication, ~~is forwarded to the further~~ the another element.
2. ~~Method~~ The method according to Claim 1, ~~characterized in that~~ wherein the
a Radio Network Controller-(RNC)-(2) is used as the ~~further~~ another element of a mobile radio network ~~in the event of~~ when a call between two mobile terminals-(1, 11) occurs.

3. ~~Method according to one of the preceding Claims,~~
~~characterized in that~~The method according to claim 1, wherein
an interface (~~gateway~~) is used as the ~~further~~another element of a mobile radio
network ~~in the event of~~when a call between a mobile terminal (~~1~~) and a base
station (~~15~~) occurs.

4. ~~Method~~The method according to ~~one of the preceding Claims,~~
~~characterized in that~~ claim 1, wherein
~~in the event of~~during initialization of a connection between two mobile terminals,
(MT) (~~1, 11~~) at least one first coder-decoder mode indication (~~TFCI, AMR~~) and
associated second coder-decoder mode indication (~~TFCI requested, AMR~~
~~requested~~) are stored in a table of a coder-decoder mode indication correspondence
storage device (~~5~~).

5. ~~Method~~The method according to ~~one of the preceding Claims,~~
~~characterized in that~~ claim 1, wherein
in a data packet coming from a mobile terminal and ~~containing~~including a coder-
decoder mode indication ~~in the form of~~formed as a TFCI value and AMR value,
the TFCI value is exchanged for a coder-decoder mode indication ~~in the form~~
formed as an RFCI value by the Radio Network Controller (~~RNC~~) (~~2~~) receiving
the data packet.

6. ~~Method~~The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 5, wherein the TFCI indications and the RFCI indications represent a coder-
decoder mode.

7. ~~Method~~The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 1, wherein for calls between mobile terminals (~~MT~~) (~~1, 11~~) the Radio
Network Controller (~~RNC~~) (~~2~~) can output SDU parameters, which represent a
specific coder-decoder mode with an RFCI value, which is exchanged by the

coder-decoder mode indication exchange system-(DCF)-(5) for the RFCI value and the requested RFCI value.

8. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~ claim 5, wherein
the IP packet is converted to an Optimized Codec Support Frame format-(OCSF)
for transport in a GTP tunnel and divided into RAB subflows-(12) for transport
between the Radio Network Controller-(RNC)-(2) and mobile terminal-(MT)-(1).

9. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 8, wherein ~~the nature of the~~ coder-decoder mode is indicated in the
Optimized Codec Support Frame-(OCSF) by the RFCI value,
the mode ~~within~~ which the sender wishes to code the data is coded is indicated in
the Optimized Codec Support Frame-(OCSF) by the RFCI requested value,
~~the a~~ sequence of fields depends on implementation and standardization and
other fields are added as required, if the recipient is initialized to interpret them.

10. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 1, wherein an IP packet sent by a mobile terminal-(MT)-(1) is divided into
RAB subflows-(12) and provided with values for TFCI and TFCI requested and
sent to the Radio Network Controller-(RNC)-(2).

11. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 8, wherein in the Radio Network Controller-(RNC)-(2) the TFCI value and
the TFCI requested value are exchanged for the corresponding RFCI value and
RFCI requested value of the Optimized Codec Support Frame-(OCSF).

12. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~ claim 8, wherein

~~the~~ a GTP-U header is prefixed to the Optimized Codec Support Frame (~~OCSF~~) by the Radio Network Controller (~~RNC~~) and forwarded to ~~the~~ a Gateway GPRS Support Node (~~GGSN~~) (4) via ~~the~~ a Serving GPRS Support Node (~~SGSN~~) (3).

13. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that claim 12, wherein~~
the Optimized Codec Support Frame (~~OCSF~~) is forwarded by the Gateway GPRS Support Node (~~GGSN~~) to the coder-decoder mode indication exchange system (~~DCF~~) (5),
the corresponding RFCI values and RFCI requested values are aligned with the coder-decoder mode of the recipient mobile terminal (~~MT~~) (1),
the modified Optimized Codec Support Frame (~~OCSF~~) is sent back to the Gateway GPRS Support Node (~~GGSN~~) (4).

14. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that claim 12, wherein~~
the IP packet is modified by the coder-decoder mode indication exchange system (~~DCF~~) (5),
the coder-decoder mode indication exchange system (~~DCF~~) (5) is called at least one further time by the Gateway GPRS Support Node (~~GGSN~~) (4) to generate the Optimized Codec Support Frame (~~OCSF~~), and
at least one Gateway GPRS Support Node (~~GGSN~~) (4) is involved.

15. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that claim 12, wherein~~ the GTP-U header is modified or exchanged by the Gateway GPRS Support Node (~~GGSN~~) (4) and the Optimized Codec Support Frame (~~OCSF~~) is transmitted to the Serving GPRS Support Node (~~SGSN~~) (3), which forwards it to the Radio Network Controller (~~RNC~~) (2),
the RFCI value is exchanged by the Radio Network Controller (~~RNC~~) (2) for the corresponding TFCI value,
the RFCI requested is exchanged for the TFCI requested value or modified, and
the IP packet is sent via the RAB subflows (~~12~~) to the mobile terminal (~~MT~~).

16. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~
claim 12, wherein, before it is sent to a base station ~~(FT) (15)~~ the Optimized Codec Support Frame ~~(OCSF)~~ is converted by the coder-decoder mode indication exchange system ~~(DCF) (5)~~ to an IP packet,
the IP packet is sent by the coder-decoder mode indication exchange system ~~(DCF) (5)~~ to the Gateway GPRS Support Node ~~(GGSN) (4)~~ or directly in the direction of the base station ~~(FT) (15)~~.

17. ~~Method~~ The method according to ~~one of the preceding Claims,~~
~~characterized in that~~ claim 12, wherein
the coder-decoder mode change is initiated by the Radio Network Controller ~~(RNC) (2), and~~ the coder-decoder mode change is initiated in the mobile terminal ~~(MT) (1)~~ under the supervision of the Radio Network Controller ~~(RNC) (2)~~.

18. ~~Device~~ A device for selecting data packets transmitted between terminals and coded with negotiated coder-decoder modes,
~~characterized in that~~
~~it comprises~~
a table stored in a central coder-decoder mode indication exchange system ~~(DCF) (5)~~ for comparing ~~the~~ a first RFCI value with a second RFCI value;
~~the device (DCF) (5) includes~~ an element for converting IP data packets to Optimized Codec Support Frames ~~(OCSF)~~ and for comparing ~~the~~ listed RFCI values with ~~the~~ RFCI values specified in the data packets;
and
~~the device (DCF) (5) includes~~ an element for converting Optimized Codec Support Frame ~~(OCSF)~~ back to IP data packets.

19. ~~Device~~ The device according to Claim 16,
~~characterized in that~~ wherein
the device ~~(DCF) (5)~~ is an element of ~~the~~ a Gateway GPRS Support Node ~~(GGSN)~~

(4) or another node.

20. The Device device according to Claim 16, ~~characterized in that wherein~~
the device ~~(DCF) (5)~~ is its own node with access via an IP protocol.